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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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LM01/0430

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EXAMINER

ART UNIT	PAPER NUMBER
2755	φ

DATE MAILED:
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trad marks

☐ Responsive to communication(s) filed on _____ .

☐ This action is **FINAL.**

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire _____3_____ month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) *1-21* _____ is/are pending in the application.

    Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) *1-21* _____ is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

    ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

        ☐ received.

        ☐ received in Application No. (Series Code/Serial Number) _____ .

        ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    *Certified copies not received: _____ .

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- *SEE OFFICE ACTION ON THE FOLLOWING PAGES* ---

DETAILED ACTION

Drawings

This application has been filed with informal drawings which are acceptable for

examination purposes only. Formal drawings will be required when the application is allowed.

Claim Rejections - 35 USC § 103

1.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

2.   Claim 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gadol in view

of Cohen.

As to claim 1, Gadol teaches a method for serving remote procedure calls from an applet

which executes within an applet viewer (browser) which in turn executes in a computer system

(client) (Col. 6, lines 5-17), the method comprising; receiving from the applet a request (workflow

request, 116) for a document (workflow courier 118-1) according to a document retrieval

protocol (HTTP) implemented on a computer network (Col. 6, lines 19-46); determining that the

request (workflow request, 116) specifies a function (go/wait/cancel) which is defined within a

computer process (server application) executing independently of the applet and applet viewer

(browser) (Col. 6, lines 21-46) and which includes one or more computer instructions

(program/workflow expert, 310-1a), execution of which performs a task which is unrelated to

retrieval of any document specified in the request (check all values entered by the

requestor/update the workflow courier/determine if actor has completed stage/query database

server) (Col. 9, lines 3-60; Col. 10, lines 22-36); and executing the function (actor selects a field

or option) to thereby cause execution of the one or more computer instructions

(program/workflow expert, 310-1a) in response to receipt of the request (Col. 9, lines 13-25).

However, Gadol does not teach the an applet running on the applet viewer.

Cohen teaches an applet running on the applet viewer (java virtual machine) (downloading

of java files as well as the applet) which also executes instructions unrelated to retrieval of a

document (instantiating a security manager object while downloading of class and applet files)

(Col. 3, lines 30-35; Col. 3, line 50 - Col. 4, line 8). It would be obvious that if the applet is

retrieving information (class files) it would first have to determine if it has the access priviledges

for using the communication protocol to process the request (checking the security manager).

Therefore it would be obvious to one skilled in the art to modify the teachings of Gadol with the

teachings of Cohen in order to facilitate the processing of applets through multiple communication

protocols (Col. 1, lines 56-64).

As to claim 2, Gadol teaches the step of determining comprises: determining that the

request includes a document specification (needed forms) which is in a portion of a name space

(master document) reserved for function requests (go/wait/cancel options) (Col. 11, lines 8-42).

As to claim 3, Gadol teaches the step of returning result data (class file) produced by execution of the function (class request) to the applet (applet) (Col. 4, lines 44-67; Col. 5, lines 10-67).

As to claim 4, It would be obvious to one skilled in the art that if a browser was being returned data in an Internet environment it would have to form and receive a document in order to access it through a browser.

As to claim 5, Gadol teaches the document retrieval protocol is HTTP (Col. 4, lines 26-34).

As to claims 6-10, reference is made to a computer readable medium that correspond to the method of claims 1-5, and are therefore met by the rejections of claims 1-5 above.

As to claims 11-15, reference is made to a system that correspond to the method of claims 1-5, and are therefore met by the rejections of claims 1-5 above.

As to claim 16, Gadol teaches a method for serving remote procedure calls to an applet which executes within an applet viewer (browser) which in turn executes in a computer system (client) (Col. 6, lines 5-17), the method comprising: sending to a computer process (server

computer, 110-1) executing independently of the applet and applet viewer (browser) a request

(workflow request, 116) for a document according to a document retrieval protocol (http)

implemented on a computer network wherein the request includes data communicating to the

computer process that the applet can receive at least one processing request (Col. 6, lines 19-46);

receiving from the computer process (server, 110-1) at least a portion of the document (workflow

courier, 118-1) requested by the request (workflow request, 116) (Col. 6, line 32-Col. 7, line 7;

Col. 7, lines 15-37) , a processing request (field or option) which specifies a function

(Go/wait/cancel) which in turn (i) is defined within the applet (browser) and (ii) includes one or

more computer instructions (code fragments, 144/ executing program/workflow expert, 310-1a)

(Col. 9, lines 1-60); and executing the function (Go/wait/cancel) to thereby cause execution of the

one or more computer instructions in response to receipt of the processing request (Col. 9, lines

13-25). However, Gadol does not teach an applet which executes within an applet viewer.

Cohen teaches an applet running on the applet viewer (java virtual machine) (downloading

of java files as well as the applet) which also executes instructions (instantiating a security

manager object while downloading of class and applet files) (Col. 3, lines 30-35; Col. 3, line 50 -

Col. 4, line 8). It would be obvious that if the applet is retrieving information (class files) it would

first have to determine if it has the access priviledges for using the communication protocol to

process the request (checking the security manager). Refer to claim 1 for the motivation to

combine.

As to claim 17, Gadol teaches a method for serving remote procedure calls to an applet

which executes within an applet viewer (browser) which in turn executes in computer system

(client) from a computer process (server) executing independently of the applet and applet viewer

(Col. 5, lines 13-30; Col. 6, lines 5-17), the method comprising: receiving from the applet (user

controlling browser) a request for a document (workflow request, 116) according to a document

retrieval protocol (HTTP) implemented on a computer network wherein the request includes data

communicating to the computer process (server computer, 110-1) that the applet can receive at

least one processing request (Col. 6, lines 19-46); sending to the applet (user controlling browser)

at least a portion of the document requested by the request (workflow courier, 118-1) (Col. 6,

line 32-Col. 7, line 7; Col. 7, lines 15-37), a processing request (field or option) which specifies a

function (Go/wait/cancel) which in turn (i) is defined within the applet and (ii) includes one or

more computer instructions (code fragments, 144/ executing program/workflow expert, 310-1a)

(Col. 9, lines 1-60); and executing the function (Go/wait/cancel) to thereby cause execution of the

one or more computer instructions in response to receipt of the processing request (Col. 9, lines

13-25). However, Gadol does not teach an applet which executes within an applet viewer.

Cohen teaches an applet running on the applet viewer (java virtual machine) (downloading

of java files as well as the applet) which also executes instructions (instantiating a security

manager object while downloading of class and applet files) (Col. 3, lines 30-35; Col. 3, line 50 -

Col. 4, line 8). It would be obvious that if the applet is retrieving information (class files) it would

first have to determine if it has the access priviledges for using the communication protocol to

process the request (checking the security manager). Refer to claim 1 for the motivation to combine.

As to claims 18 and 19, references are made to a computer readable medium that correspond to the method of claims 16 and 17, and is therefore met by the rejections of claims 16 and 17 above.

As to claims 20 and 21, references are made to a system that correspond to the method of claims 16 and 17, and is therefore met by the rejections of claims 16 and 17 above.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lewis A. Bullock, Jr. whose telephone number is (703) 305-0439.

ALVIN E. OBERLEY
SUPERVISORY PATENT EXAMINER
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lab

April 22, 1999